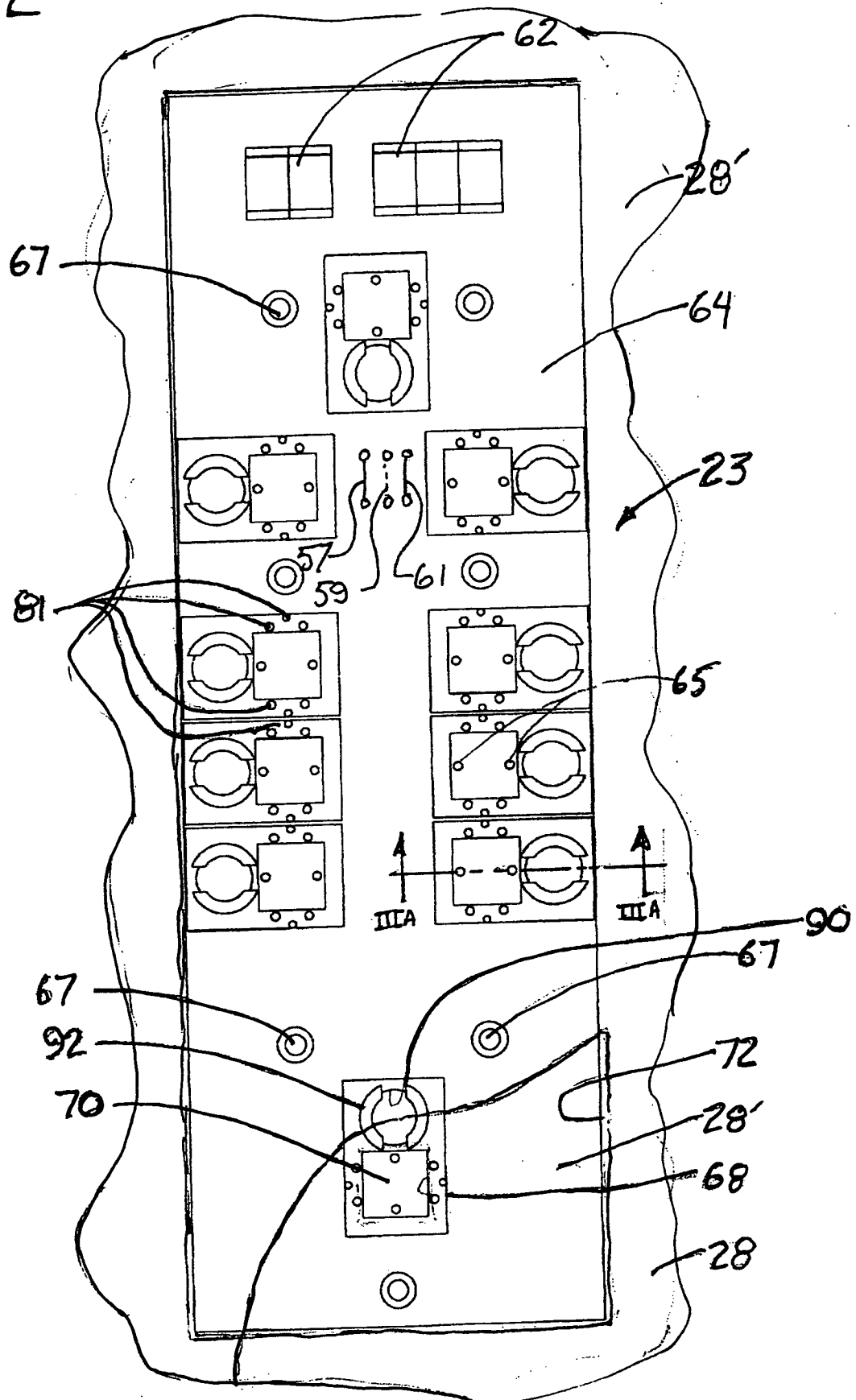


Fig. 1

Fig. 2



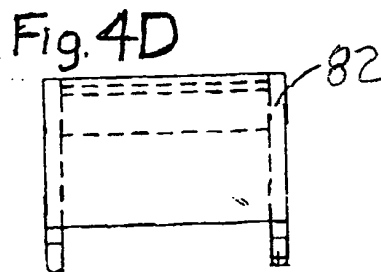
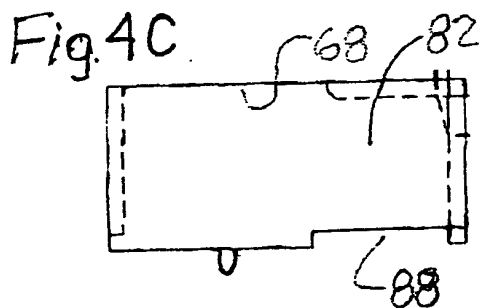
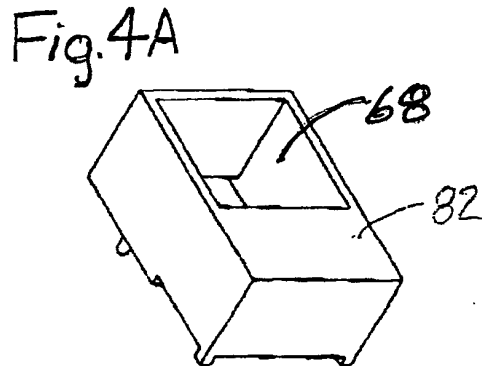
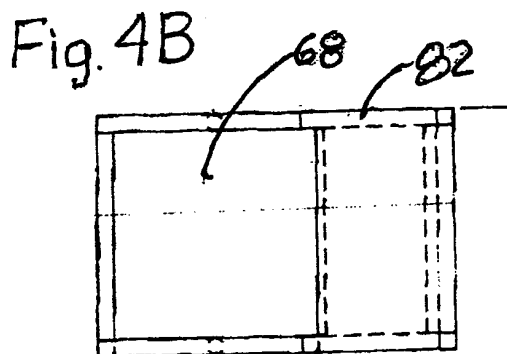
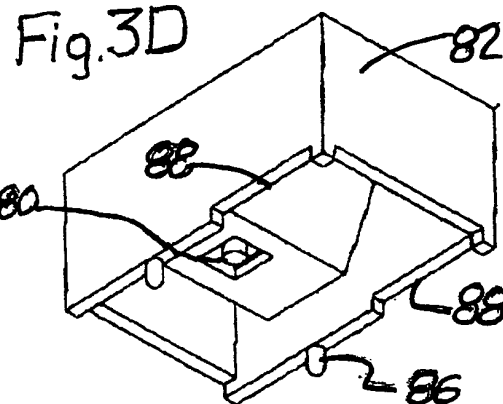
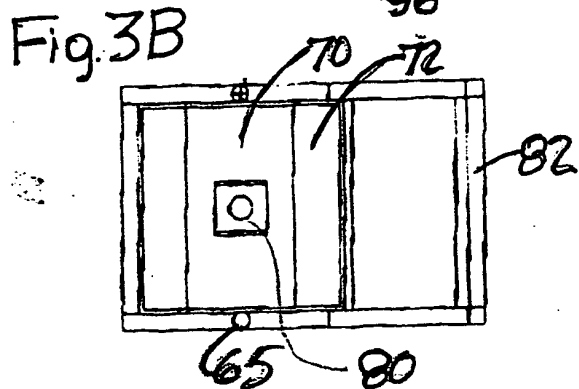
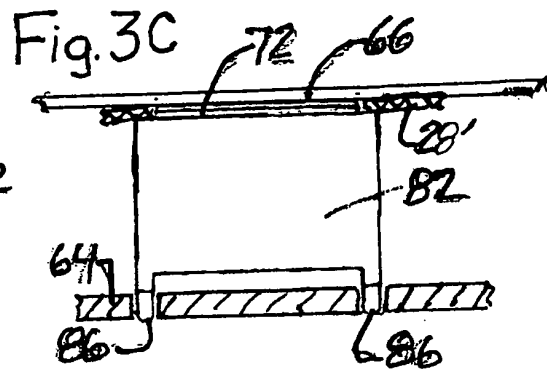
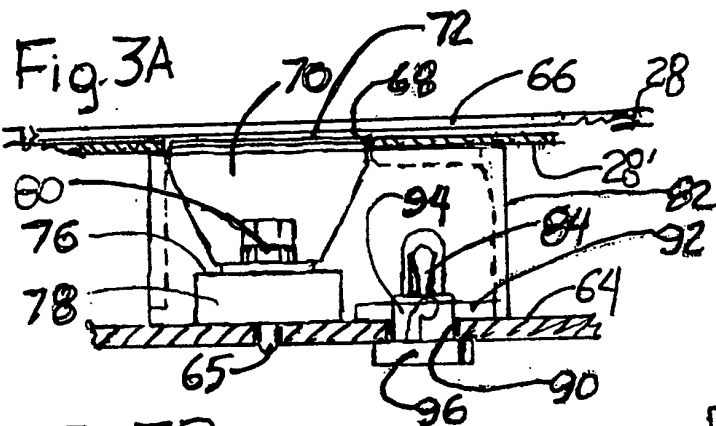


Fig. 6B

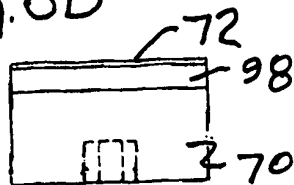


Fig. 6C

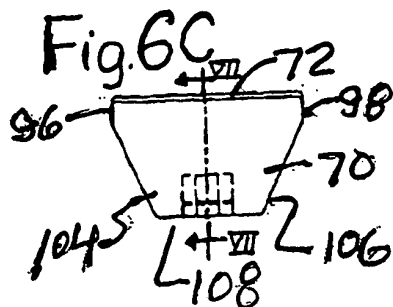


Fig. 7

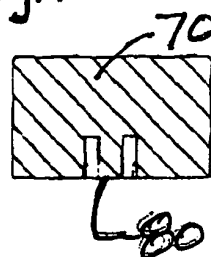


Fig. 6A

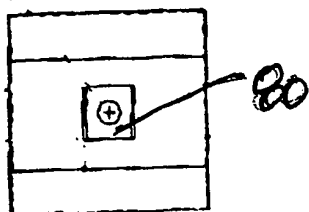


Fig. 5

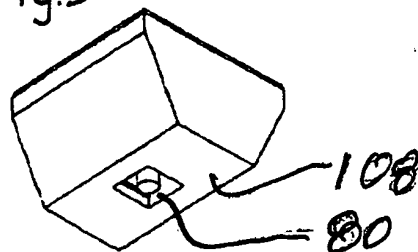


Fig. 8A

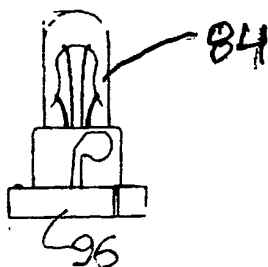


Fig. 9

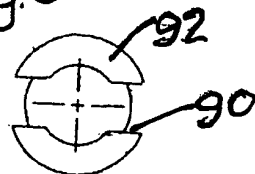


Fig. 8B



Fig. 10

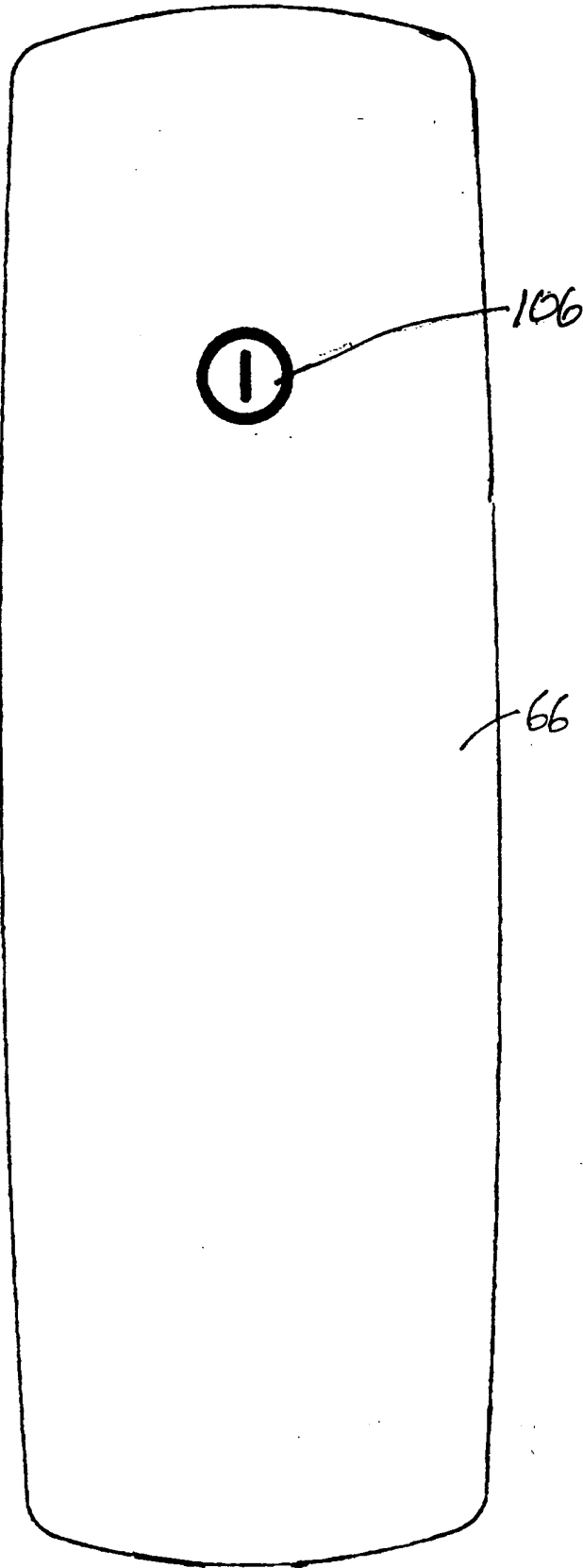


Fig. 11A

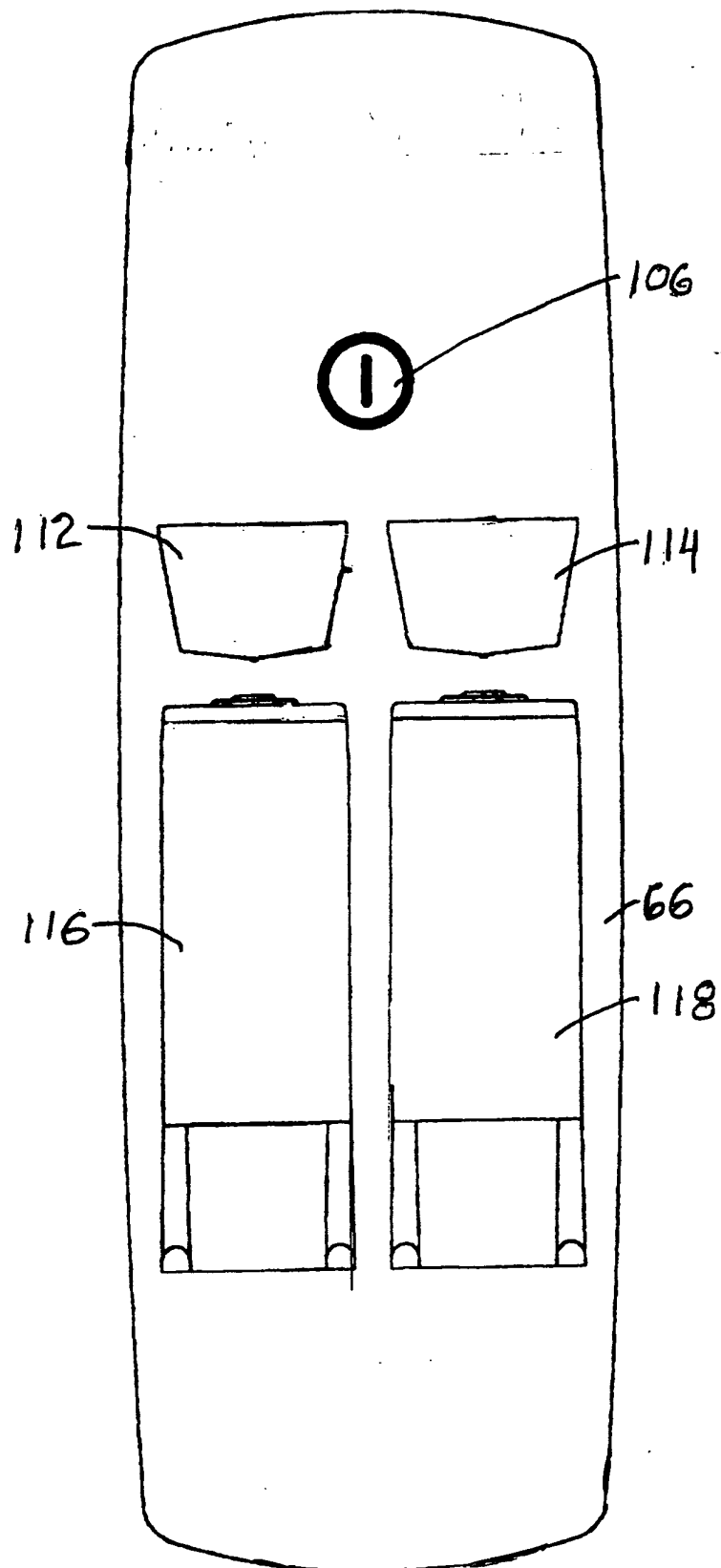


Fig. 11B

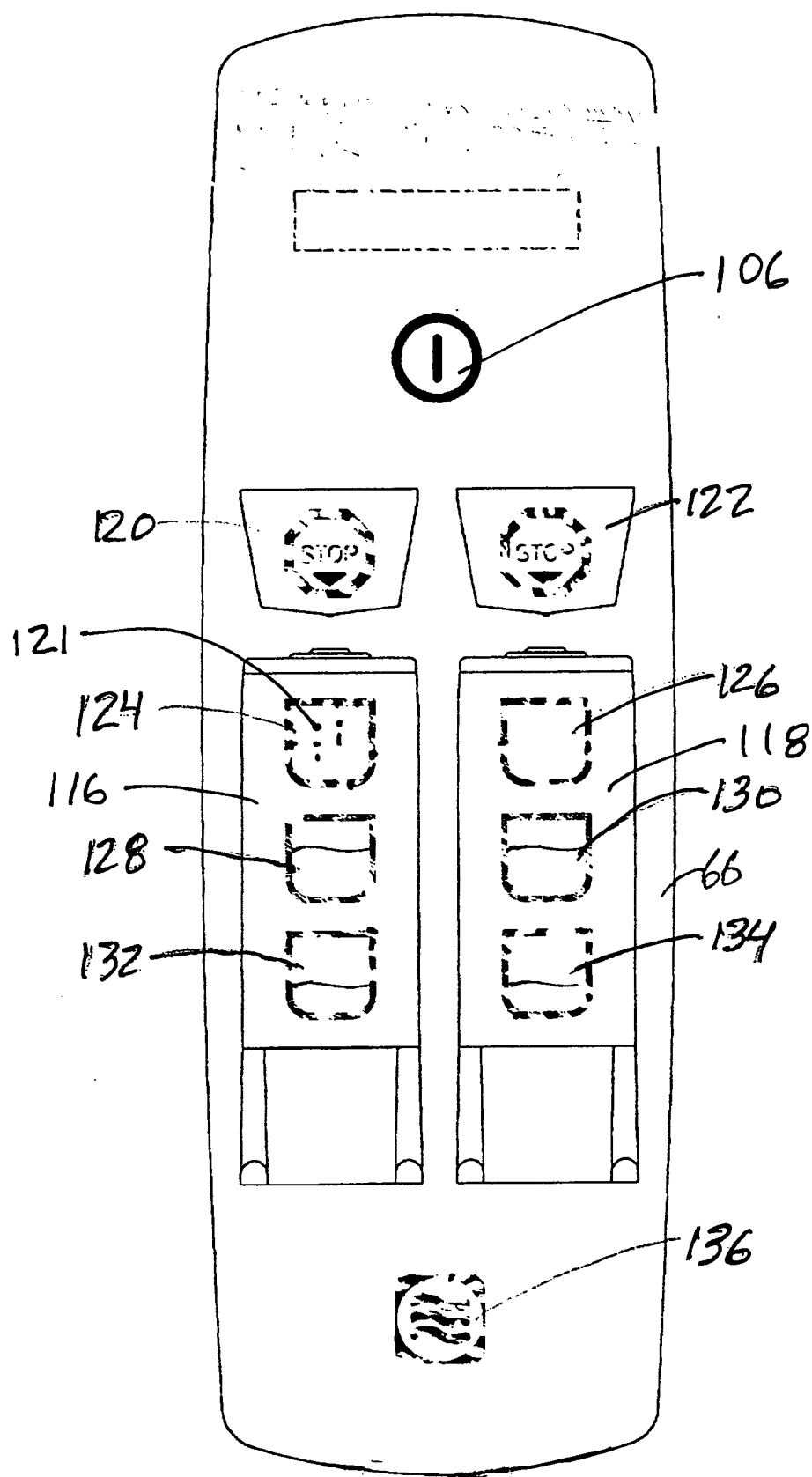


Fig. 11C

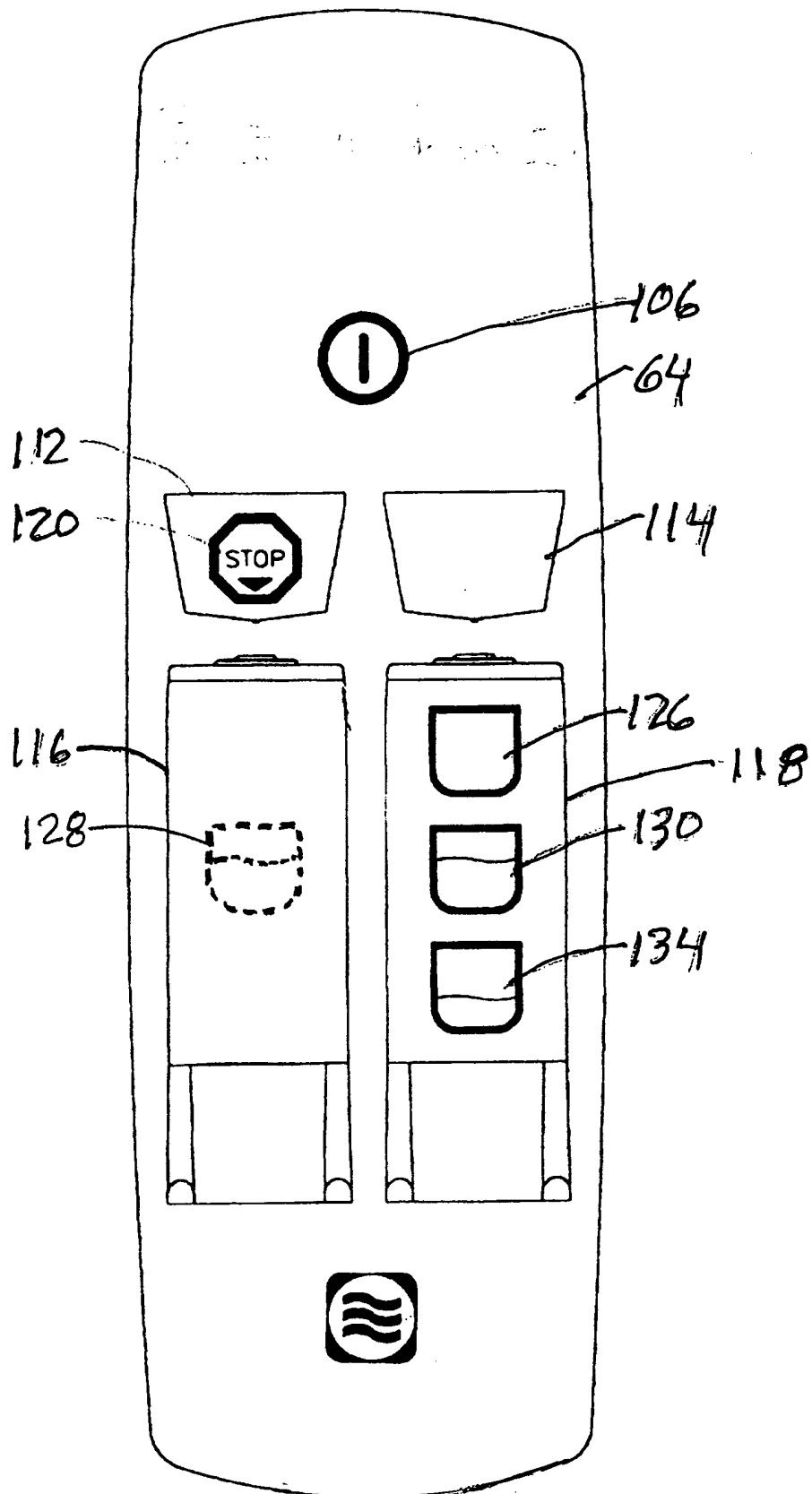


Fig. 11D

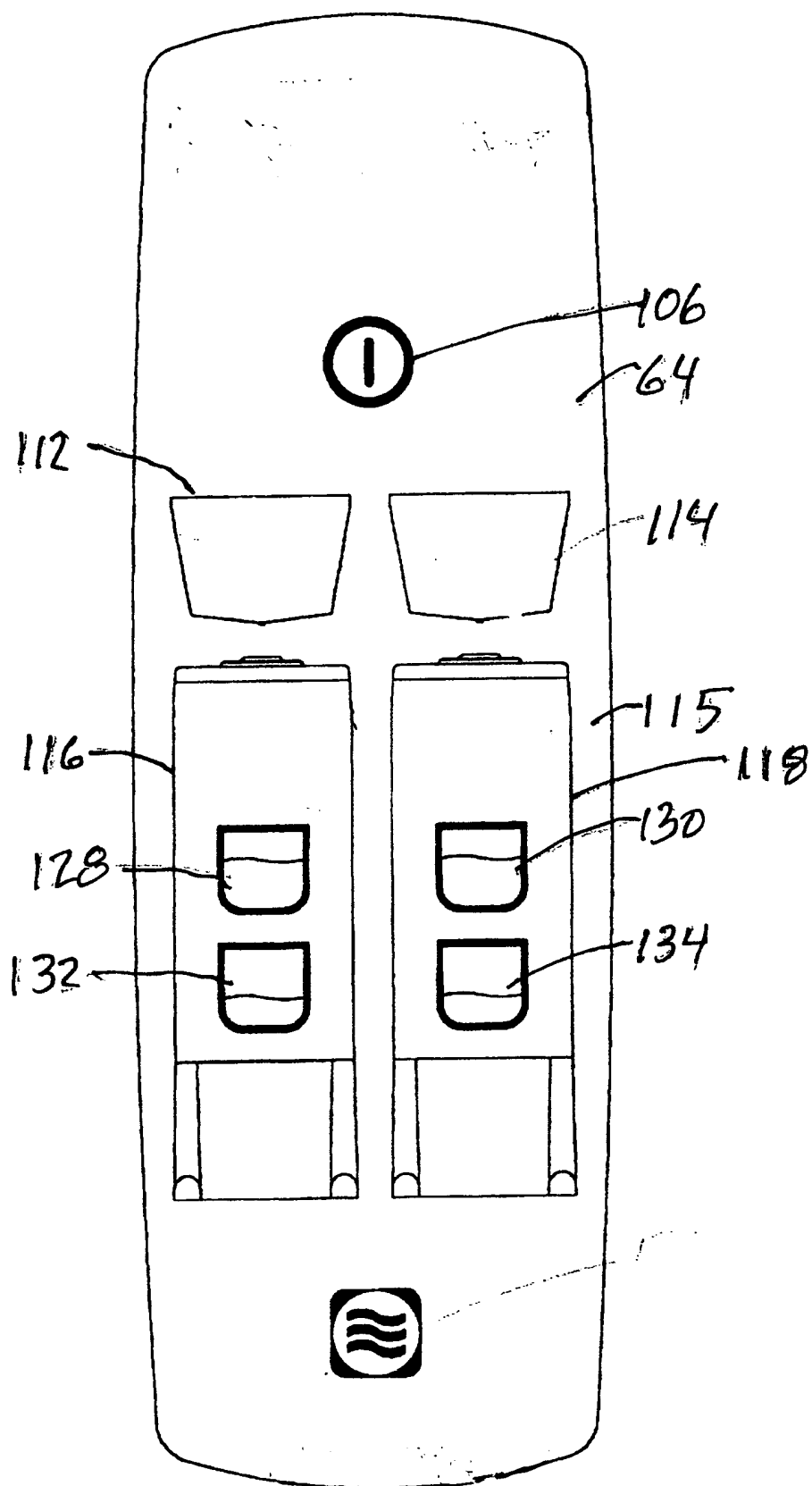


Fig. 12A

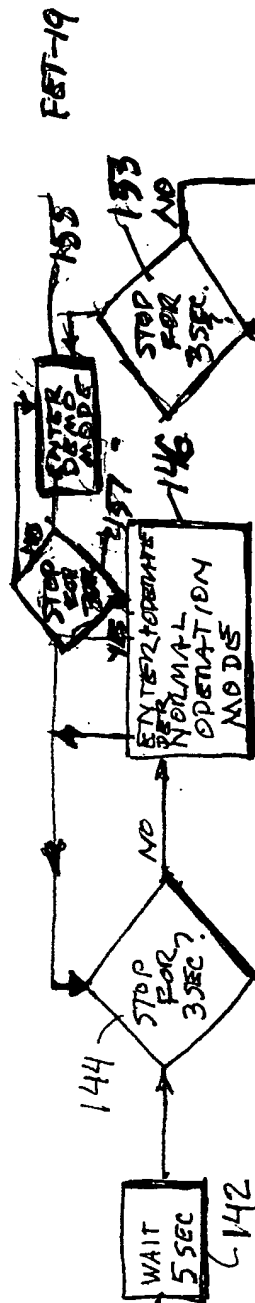
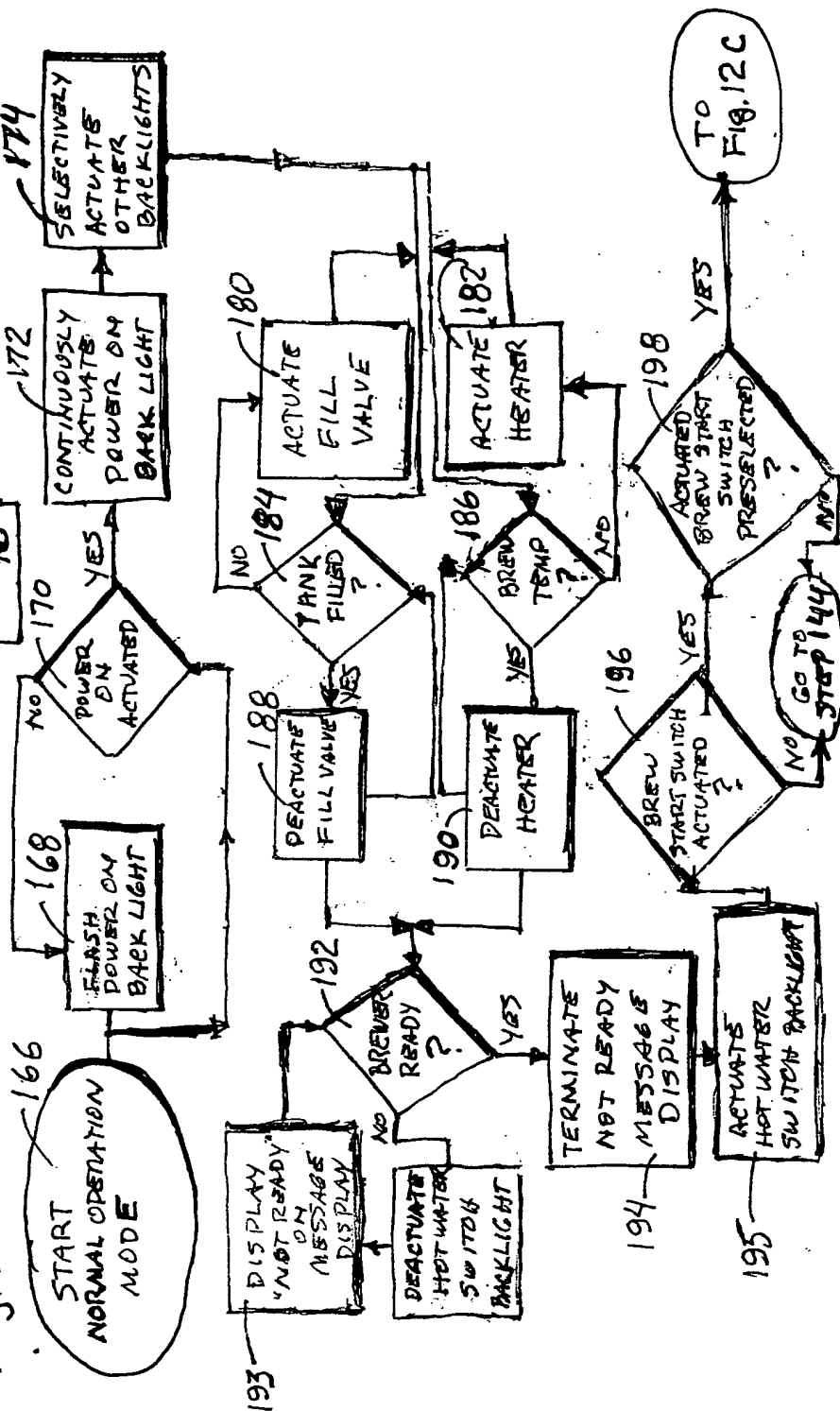


Fig. 12B



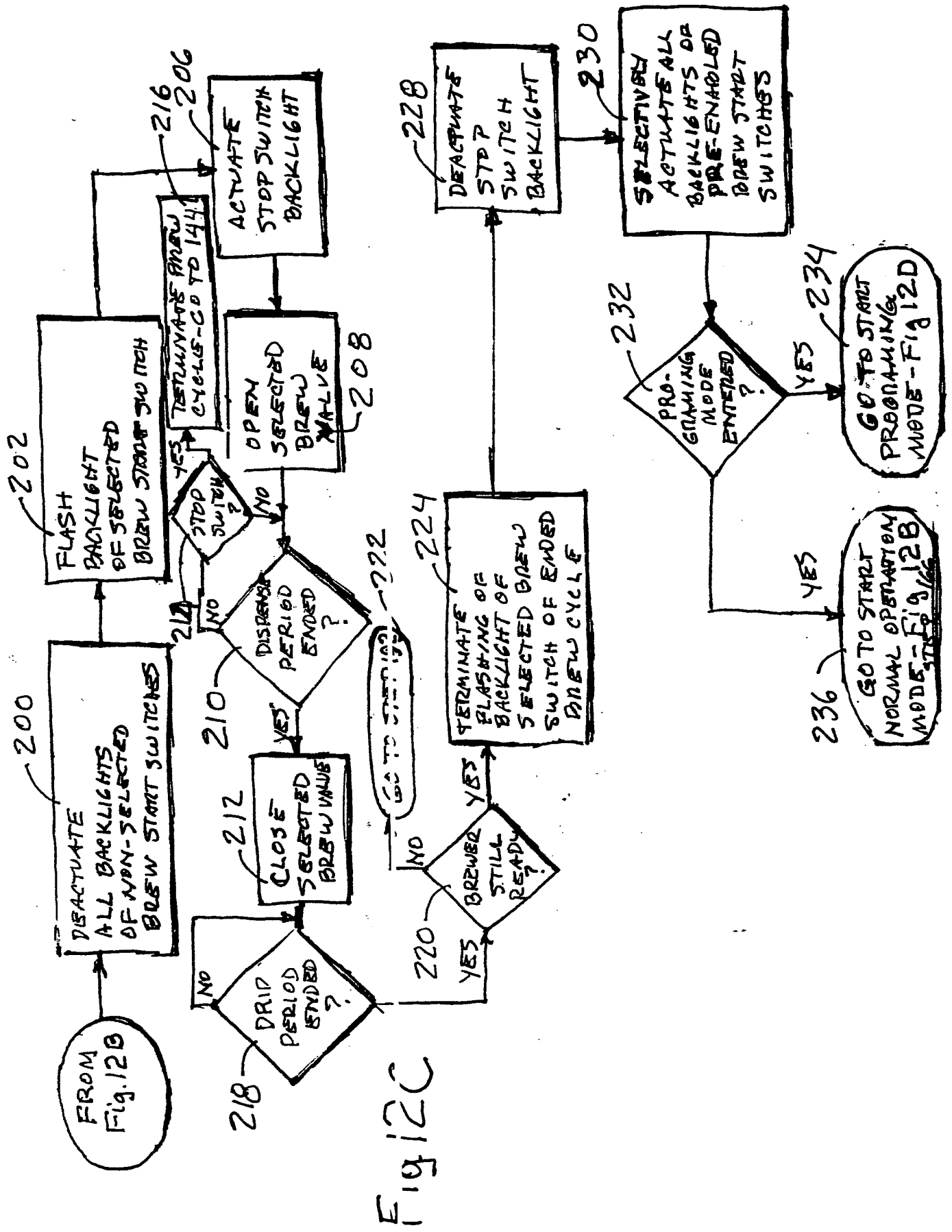
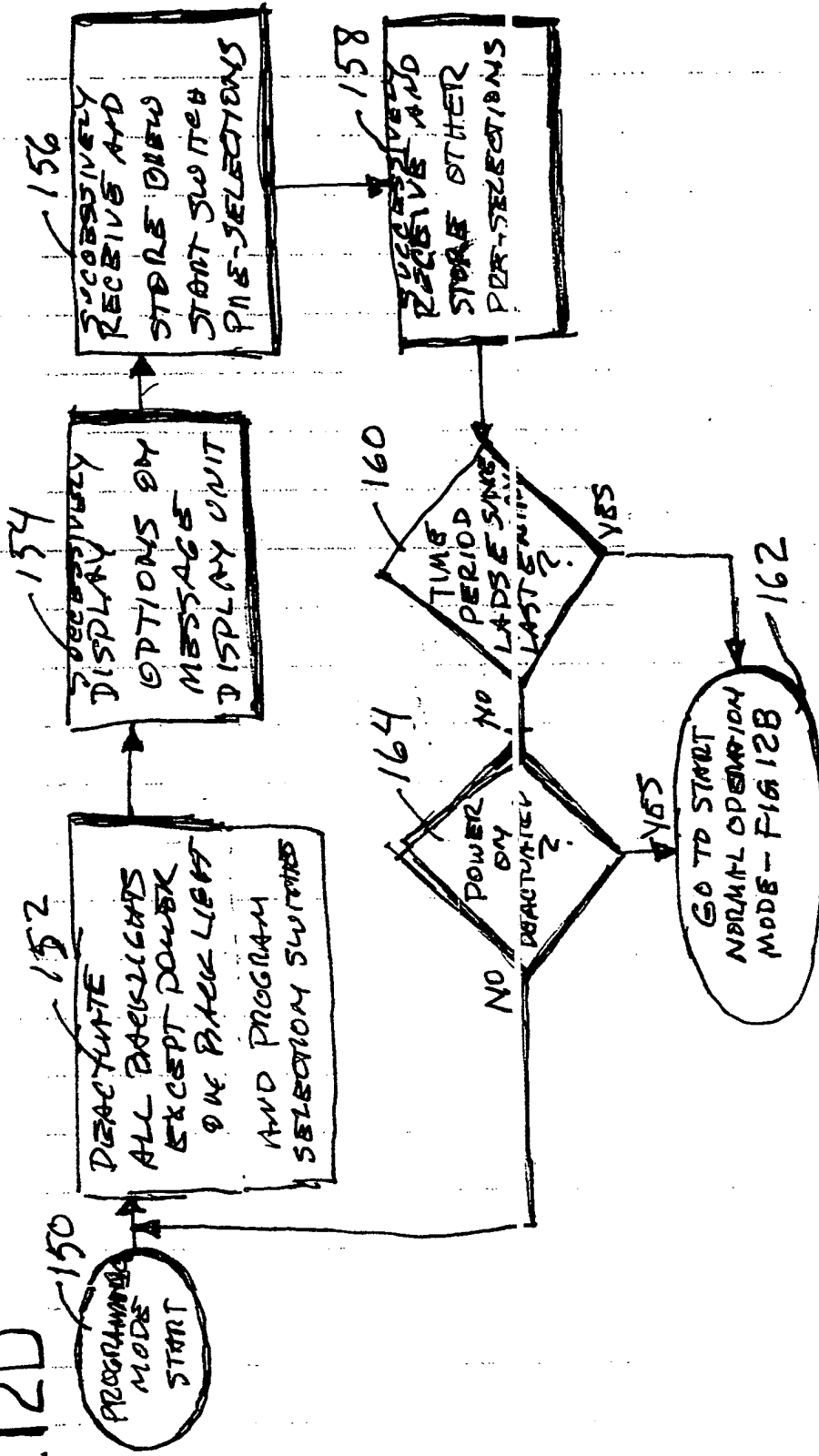


Fig. 12D



Error Codes

Code	Description	Possible Cause	Corrective Action	How to Clear Error Codes	
				Software Ver. 1.61 and lower	Software Ver. 2.0 and higher
001	Internal Error System had to reload default settings.	Control board failure.	Clear error. Re-program the brewer to the desired specifications. If error occurs again, replace control board.	Enter programming mode, then exit programming mode.	Turn main power switch off and on.
002	Power Failure Power state does not match feedback loop state.	Relay on control board has failed.	Replace control board.	Enter programming mode, then exit programming mode.	Turn main power switch off and on.
050	Shorted temperature probe.	Probe failure.	Replace probe.	Enter programming mode, then exit programming mode.	Turn main power switch off and on.
051	Open temperature probe.	Bad probe connection, or probe failure.	Check all connections. Replace probe if necessary.	Enter programming mode, then exit programming mode.	Turn main power switch off and on.
075	Brew basket lock or sensor failure. Basket was in place when brew cycle started, but was pulled out during the brew cycle. If this error occurs, the brew basket lock has failed, or the sensor is out of adjustment.	Brew basket lock has failed or sensor is needs adjustment	Repair or replace brew basket lock, or adjust sensor.	Press the flashing control panel power switch to resume operation.	Press the flashing control panel power switch to resume operation.
100	Initial Fill Error Initial fill time was more than 8.6 minutes.	Water supply flow rate is too low.	Watch for short potting during brew cycle. Investigate cause of low flow rate. (Clogged water filter, etc.)	Press the control panel power switch.	Press the control panel power switch.
101	Error on refill Tank did not refill within 2 minutes.	Water supply flow rate is too low.	Watch for short potting during brew cycle. Investigate cause of low flow rate. (Clogged water filter, etc.)	Error message is cleared automatically at end of brew cycle.	Error message is cleared automatically at end of brew cycle.
102	Unwanted Fill When brewer is idle, the fill valve was activated for more than 30 seconds during a 1 hour period.	Possible leak in tank, fitting, or valve.	Check inside of machine for leaks.	Enter programming mode, then exit programming mode.	Turn main power switch off and on.
		Output on control board has failed, causing a dispense valve to open.	Replace control board.		

Fig. 13A

200	Flat Line Temperature (Water is boiling) System is calling for heat, but the temperature does not rise at least 2°F within 5 minutes.	Mercury relay is stuck closed, bad output on control board, or temperature is set too high for altitude.	Check mercury relay, check control board output, or adjust temperature for altitude.	Enter programming mode, then exit programming mode.	Turn main power switch off and on.
201	Heater Open System is calling for heat, but the temperature does not rise at least 2°F within 10 minutes. This error is disabled during brewing and while using the hot water faucet.	Heating element failure.	Check and replace heating elements if necessary.	Enter programming mode, then exit programming mode.	Turn main power switch off and on.
202	Heater Short System is not calling for heat, but temperature rises more than 5°F.	Possible mercury relay stuck closed, or bad output on control board.	Check mercury relay and control board.	Enter programming mode, then exit programming mode.	Enter programming mode, then exit programming mode.
255	Keypad Error A switch was pressed for more than 45 seconds.	Switch was held in too long, or switch is stuck closed.	Clear error and try again. If error occurs without switch being pressed, replace input board.	Enter programming mode, then exit programming mode.	Turn main power switch off and on.

Fig. 13B